

*author search*  
*(note the underlining of*  
*the compounds)* Page 1

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L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN  
AN 2005:58078 HCAPLUS  
DN 142:144119  
ED Entered STN: 21 Jan 2005  
TI Image-recording element with fluorosurfactant and colloidal  
particles  
IN **Merkel, Paul B.; Barber, Gary N.; Pitt,**  
**Alan R.; Wear, Trevor J.**  
PA USA  
SO U.S. Pat. Appl. Publ., 14 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
IC ICM B41M005-00  
INCL 428032340  
CC 74-6 (Radiation Chemistry, Photochemistry, and Photographic and  
Other Reprographic Processes)  
Section cross-reference(s): 46

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005013947	A1	20050120	US 2003-622421	200307 18
	WO 2005009746	A1	20050203	WO 2004-US22649	200407 14

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,  
CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,  
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW  
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,  
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,  
DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL,  
PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG

PRAI US 2003-622421 A 20030718

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2005013947	ICM	B41M005-00

INCL 428032340  
US 2005013947 NCL 428/032.340  
ECLA B41M005/00J  
WO 2005009746 ECLA B41M005/00J

AB The invention relates to an image-recording element such as an ink-jet recording element comprising a support and an image-receiving layer, wherein the image-receiving layer comprises anionic colloidal silica particles, hydrophilic polymeric binder, and fluorosurfactant, wherein the binder is present in an amt. of between 2% and 15% of the image-receiving layer, the image-recording element has a 60-degree gloss of greater than 25, and a dry time of less than 1 min.

ST ink jet printing recording image fluorosurfactant colloidal silica particle

IT Surfactants

(fluorosurfactants; ink-jet recording element contg. fluorosurfactant and colloidal particles)

IT Ink-jet recording sheets

(ink-jet recording element contg. fluorosurfactant and colloidal particles)

IT 188653-14-7, Snowtex ZL

(anionic; ink-jet recording element contg. fluorosurfactant and colloidal particles)

IT 7631-86-9, Snowtex YL, uses

(colloidal; ink-jet recording element contg. fluorosurfactant and colloidal particles)

IT 57534-41-5, Zonyl FSN 65256-46-4, Forafac 1157 66039-00-7,

Lodyne S 100 83653-37-6, Zonyl FSE 143928-30-7, Fluowet OTN

188652-96-2, Snowtex MP 1040 197664-69-0, Zonyl FS 300

302778-51-4, Megafac F 1405

(ink-jet recording element contg. fluorosurfactant and colloidal particles)

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L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Silica (6CI, 7CI, 8CI, 9CI)  
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT  
MF O2 Si  
CI COM

O—Si—O

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):9

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Megafac F 1405 (9CI)  
MF Unspecified  
CI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Zonyl FS 300 (9CI)  
MF Unspecified  
CI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Snowtex ZL (9CI)  
MF Unspecified  
CI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Snowtex MP 1040 (9CI)  
MF Unspecified  
CI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Fluowet OTN (9CI)  
MF Unspecified  
CI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Zonyl FSE (9CI)  
MF Unspecified  
CI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Lodyne S 100 (9CI)  
MF Unspecified  
CI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Forafac 1157 (9CI)  
MF Unspecified  
CI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Zonyl FSN (9CI)  
MF Unspecified  
CI MAN

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